

**ESIP Summer Meeting 2013 (Washington, DC)
Energy and Climate WG Breakout Sessions – Agenda
July 11, 2013**

Co-Chairs: Shailendra Kumar (Energy and Environment Consulting), and Richard Eckman (NASA)

July 11, 2013 Wednesday

8:30 AM – 10:00 AM Energy and Climate WG Session I –Decision Support Tools Catalog and Community of Practice (DSTCCP): Platform, Applications and Collaborations

- DSTCCP Overview and Update – Shailendra Kumar, Energy and Environment Consulting; Taber Allison, American Wind and Wildlife Institute; Laurie Allen and Sky Bristol, US Geological Survey
- DSTCCP Applications: NASA SERVIR, USAID, and International Collaboration (GEO) – Richard Eckman, NASA and Brian Wee, The National Ecological Observatory Network (NEON)
- ESIP Tools Catalog and Community role for Emergency Preparedness/Disaster Response in case of extreme weather and climate events – Open Discussion

10:30 AM – 12:00 PM Energy and Climate WG Session II – Sustainability in the context of Energy-Water Nexus, Climate Change and Extreme Events: Part I

- Extreme Weather and Climate Events: An Overview from 2013 National Climate Assessment Findings – Kenneth E Kunkel, Research Professor and Lead Scientist for Assessment, NOAA Cooperative Institute for Climate and Satellites (CICS), North Carolina State University and National Climatic Data Center
- Sustainability and Resilience: A Cleantech Industry Perspective – Shailendra Kumar, Energy and Environment Consulting
- City Planning for Energy and Climate Future, and Extreme Weather/Climate Events - Scott Shuford, Development Services Department, City of Fayetteville, NC.

12:00 – 1:30 PM Lunch Break

1:30 – 3:00 PM Energy and Climate WG Session III – Sustainability in the context of Energy-Water Nexus, Climate Change and Extreme Events: Part II

- The New York City Shoreline: What do four centuries in the historic record show? - William F. Johnson, Geographic Information Officer, Office of the CTO, New York State (via WebEx)
- New York State Community Recovery Zone planning and Data Needs – Barry Pendergrass, Office of Communities and Waterfronts, New York State (via WebEx)
- Cleanweb: Leveraging IT to drive Global Sustainability, Economic Prosperity, and Human Well-being – TBD

ESIP Summer 2013 Meeting: Energy and Climate WG Breakout Session Proposal

Session I: Decision Support Tools Catalog and Community of Practice: Platform and Applications

A prototype for the Decision Support Tools Catalog and Community of Practice (DSTCCP) platform will be reviewed, and demonstrated for Renewables Site Selection application with updates from developers and users. In addition, the similar on-line system can be applied for facilitating a catalog and community of practice for decision support tools designed for proactive planning of emergencies and disaster response in case of extreme weather/climate Events. In addition a similar system can be helpful in supporting NASA SERVIR and USAID Global Climate Change programs. Viability of such applications, ideas for collaboration and plans for moving forward will be discussed.

Session II: Sustainability in the context of Energy-Water Nexus, Climate Change and Extreme Events

This session will focus on public and private sector concerns about sustainability in the context of energy, water and climate nexus for government and business operations, infrastructure (data centers, communications, transportation), resource planning, and emergency preparedness for the community in case of extreme weather/climate events. The discussion will revolve around what the related issues and challenges are, how various organizations are addressing them, and what the vision is regarding evolution of sustainability? A synthesis of data and information needs, and views from cleantech companies and stakeholders, corporations implementing sustainability in their operations, and environmentally sensitive organizations (NGOs) will be presented and discussed along with recent state and local government efforts to promote sustainability and ensure resilience.

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